File 275:IAC(SM) Computer Database(TM) 1983-1998/Nov 02
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File 148:IAC Trade & Industry Database 1976-1998/Nov 02
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        (c) 1998 Information Access Co.
File 624:McGraw-Hill Publications 1985-1998/Oct 29
        (c) 1998 McGraw-Hill Co. Inc
File   9:Business & Industry(R) Jul 1994-1998/Nov 02
        (c) 1998 Resp. DB Svcs.
File 88:IAC BUSINESS A.R.T.S. 1976-1998/Nov 02
        (c) 1998 Information Access Co.
File 47:Magazine Database(TM) 1959-1998/Nov 02
        (c) 1998 Information Access Co.
File 370:Science 1996-1998/Sep W3
        (c) 1998 AAAS
File 610:Business Wire 1986-1998/Nov 02
        (c) 1998 Business Wire
File 612:Japan Economic Newswire(TM) 1984-1998/Nov 02
        (c) 1998 Kyodo News
File 613:PR Newswire 1987-1998/Nov 02
        (c) 1998 PR Newswire Association Inc
File 621:IAC New Prod.Annou.(R) 1985-1998/Nov 02
        (c) 1998 Information Access Co
File 635:Business Dateline(R) 1985-1998/Oct 30
        (c) 1998 UMI
File 484:Periodical Abstracts Plustext 1986-1998/Oct W2
        (c) 1998 UMI
File 647:CMP Computer Fulltext 1988-1998/Oct W2
        (c) 1998 CMP

Set   Items   Description
S1   556   NCR(S)(OCCA OR OPEN()(CO()OPERATIVE OR COOPERATIVE)()COMPU-
                T?()ARCHITECTURE)
S2   556   S1 NOT PD=>961129
S3   29   S2/TI
?

3/5/1   (Item 1 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01567579   SUPPLIER NUMBER: 13515334
 NCR **regroups, makes plans for Cooperation. (platform for** Open
  Cooperative   Computing   Architecture)
Booker, Ellis
Computerworld, v27, n2, p47(2)
Jan 11, 1993
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp executives are admitting they should have backed Unix,
rather than OS/2, when they released the Cooperation software platform in
1990. Cooperation, an object-oriented, networked computing environment, is
the glue behind the company's Open Cooperative Computing Architecture. The
early choice of OS/2 delayed the development of a Unix server product,
which is now expected in Feb or Mar 1993. The company shipped a second
release of the OS/2 server software in Dec 1992 and said all future
enhancements will be under Cooperation 2.1, the Unix implementation due in
March. Cooperation now faces heavy competition in the groupware market, but
NCR is targeting enterprisewide, mission-critical applications formerly run
on mainframes. This market requires a higher price tag and poses a tougher
marketing challenge.
 COMPANY NAMES: NCR Corp.--Product development
 DESCRIPTORS: Product Development; UNIX; Work Group Computing; Marketing
  Strategy; Office automation software
 SIC CODES: 7372 Prepackaged software; 3571 Electronic computers; 3577
  Computer peripheral equipment, not elsewhere classified
 TICKER SYMBOLS: NCR
 TRADE NAMES: Cooperation (Workgroup software)--Product enhancement
 OPERATING PLATFORM: OS/2; Unix
 FILE SEGMENT: CD File 275

3/5/2   (Item 2 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01411948   SUPPLIER NUMBER: 11470302
Company: NCR **Corp.: Architecture:** OCCA (Open, Cooperative
  Computing   Architecture). **(one of nine articles on leading vendors'**
  software architectures)
Systems Integration, v24, n10, p48(2)
Oct, 1991
ISSN: 1044-4262   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp's Open, Cooperative Computing Architecture (OCCA) is
the underlying architecture for services and products from both NRC and
AT&T. The System 3000 line from NCR will be the base platform for NCR\AT&T
products. System 3000 machines run Unix System V 4.0, MS-DOS and OS\2. OCCA
consists of a client\server architecture, networked distribution of
computing functions, open systems standards and consistent user interfaces.
The architecture addresses transaction processing and information and
systems management. OCCA's Open Systems Interconnection component is
encompassed by the Open Networking Environment product line, which was
introduced in Oct 1990. NCR's software applications include NCR
Cooperation, an object-oriented, general-application integration
environment which implements OCCA in multivendor systems. The Cooperation
line comprises over 50 software modules, from application-development tools
to products for accessing SQL databases. The interface for NCR Cooperation
applications is NCR Desktop.

 SPECIAL FEATURES: illustration; photograph
 COMPANY NAMES: NCR Corp.--Products
 DESCRIPTORS: Software Architecture; Open Systems; Standard; Client/Server
  Architecture; Compatible Hardware; Compatible Software; Interoperability;

Computer Industry
SIC CODES: 3571 Electronic computers; 3577 Computer peripheral
 equipment, not elsewhere classified; 7372 Prepackaged software
TICKER SYMBOLS: NCR
OPERATING PLATFORM: NCR; OS\2 LAN Manager; UNIX
FILE SEGMENT: CD File 275

3/5/3   (Item 3 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01400673   · SUPPLIER NUMBER: 10724117
Massive merger task begins; users expecting AT&T to buy into strategic
 directions set by NCR. **(includes related article on** NCR's Open,
 Cooperative Computing Architecture**)**
Fitzgerald, Michael
Computerworld, v25, n19, p1(2)
May 13, 1991
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: AT&T and NCR Corp executives are preparing for the massive task
of coordinating the two companies' merger, with AT&T betting that a
transition team made up of top managers from both sides will make it more
successful than similar acquisitions in recent years. Analysts say that the
merger will require enormous effort but will create a highly competitive
firm if successful. Users of both AT&T and NCR products say they are not
concerned because the publicity surrounding AT&T's hostile takeover attempt
gave them six months to prepare. One NCR user says he expects his vendor to
do business as usual provided that AT&T does not intervene in NCR's
progress. Others say they want information on the actual working of the
merger. One analyst expects NCR to control the deal because AT&T is
supporting NCR's plans at the expense of its own prior strategies.
CAPTIONS: At a glance: AT and T and NCR financial statistics. (table)

 SPECIAL FEATURES: illustration; table; photograph
 COMPANY NAMES: American Telephone and Telegraph Co.--Acquisitions,
 mergers, divestments; NCR Corp.--Acquisitions, mergers, divestments
 DESCRIPTORS: Merger; Strategic Planning; Product Acquisition; Computer
 Industry
 SIC CODES: 3571 Electronic computers; 3577 Computer peripheral
 equipment, not elsewhere classified
 TICKER SYMBOLS: NCR; T
 FILE SEGMENT: CD File 275

3/5/4   (Item 4 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01384397   SUPPLIER NUMBER: 09598087   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **shows Co-operation with Intel architecture. (Co-operation office**
 automation software based on NCR **Corp's** open co- operative
 computing architecture**) (product announcement)**
PC User, n144, p26(1)
Oct 24, 1990
DOCUMENT TYPE: product announcement   ISSN: 0263-5720   LANGUAGE:
 ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 265   LINE COUNT: 00022

 SPECIAL FEATURES: illustration; photograph
 COMPANY NAMES: NCR Corp.--Product introduction
 DESCRIPTORS: Office Automation Software; Application Development Software
 ; Work Group Computing; Object-Oriented Programming; GUI
 SIC CODES: 7372 Prepackaged software
 TICKER SYMBOLS: NCR; INTC
 TRADE NAMES: Co-operation (Office automation software)--Product
 introduction; AT and T NCR 3000 (Intel-compatible system)--Computer

```
    programs
   OPERATING PLATFORM:  MS-DOS; OS/2; UNIX
   FILE SEGMENT:  CD File 275
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3/5/5   (Item 5 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01359095   SUPPLIER NUMBER: 08224830   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **ushers in era of co-operative processing. (unveils** Open,
  Cooperative   Computing   Architecture)
Slofstra, Martin
Computing Canada, v16, n5, p1(2)
March 1, 1990
ISSN: 0319-0161   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 494   LINE COUNT: 00039

ABSTRACT: NCR Corp says its new Open Cooperative Computing Architecture
(OCCA) will form the basis of its product and marketing strategy for the
1990s. OCCA promises to make enterprise computing resources transparently
available at the desktop level by conforming to such industry standards as
Motif, OSI, and SQL, and by supporting such operating systems as UNIX, DOS,
and OS-2. OCCA's five layers are Human Interface, Application Environment,
Cooperative Services, Communication Services, and Base Platform. NCR
considers OCCA's combination of open systems and cooperative processing
unique, and says the Cooperation software suite, which will enable OCCA
implementation, will be released 2nd qtr 1990.

 COMPANY NAMES: NCR Corp.--Product development
 DESCRIPTORS: Cooperation; Interoperability; Functional Capabilities;
  Network Architecture; Marketing Strategy
 SIC CODES: 7372 Prepackaged software
 TRADE NAMES: Cooperation (Workgroup software)--Product development
 FILE SEGMENT: CD File 275

3/5/6   (Item 6 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)

01356471   SUPPLIER NUMBER: 08474448   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR, **Teradata in joint development agreement. (will develop hardware
 platform for** NCR's Open, Co- operative   Computing   Architecture)

Frangini, Monica
Computing Canada, v16, n9, p10(1)
April 26, 1990
ISSN: 0319-0161   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 360   LINE COUNT: 00028

ABSTRACT: NCR Corp will acquire an equity interest in Teradata Corp for
the purpose of jointly developing parallel processing software for business
computer systems. The agreement calls for NCR to acquire 1,400,995 shares
of Teradata common stock at a price of $3.6 million. Both companies will
then contribute personnel, funding and technology toward the three-year
development project. The project seeks to develop a Unix computer for NCR's
Open, Co-operative Computing Architecture (OCCA) that is capable of serving
as a platform for future database products. While NCR will provide most of
the initial funding for the project, Teradata will contribute key
interconnect and scalable database technologies.
 COMPANY NAMES: NCR Corp.--Product development; Teradata Corp.--Product
  development
 DESCRIPTORS: Cooperative Agreements; Parallel Processing; Network
  Architecture; Product Development
 SIC CODES: 3571 Electronic computers; 7372 Prepackaged software
 TICKER SYMBOLS: TDAT; NCR
 FILE SEGMENT: CD File 275

3/5/7   (Item 7 from file: 275)

01355611   SUPPLIER NUMBER: 08446474   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR's open architecture may foster growth for firms. (Open   Cooperative
     Computing   architecture)
Eskow, Dennis
PC Week, v7, n19, p141(1)
May 14, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 615   LINE COUNT: 00048

ABSTRACT: NCR's Open Cooperative Computing (OCC) Architecture may
encourage the growth of other firms, with its open interfaces,
interoperability of hardware, operating subsystems and systems, and access
to applications across networks. This new connectivity strategy lays the
groundwork by supporting Unix across all platforms. At the Nucon 90 meeting
of NCR users groups in Reno, NV, in May 1990, there was widespread
enthusiasm about OCC. A new connectivity package from Century Analysis Inc,
called CAI-Net, has helped make OCC possible. The product is a 'teamware'
accessory that allows all computing operating environments except H-P's
NewWave to operate on the same network, without using protocol conversion
or special wiring.
 COMPANY NAMES: NCR Corp.--Marketing; Century Analysis Inc.--Products
 DESCRIPTORS: Marketing Strategy; Open Systems; Operating Environments;
  Networks; Connectivity; Network Architecture
 SIC CODES: 7372 Prepackaged software
 TICKER SYMBOLS: NCR
 TRADE NAMES: CAI-Net (Network management software)--Usage
 FILE SEGMENT: CD File 275

3/5/8   (Item 8 from file: 275)

01346849   SUPPLIER NUMBER: 08177938   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR plan wins cautious praise. (industry reaction to NCR Corp's
 announcement of Open   Cooperative   Computing   Architecture strategy)
Musich, Paula
PC Week, v7, n8, p46(1)
Feb 26, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 423   LINE COUNT: 00036

 COMPANY NAMES: NCR Corp.--Planning
 DESCRIPTORS: Strategic Planning; Industry Analysis; Client/Server
  Architecture; Connectivity; Open Systems; Computer Industry
 SIC CODES: 3571 Electronic computers
 TICKER SYMBOLS: NCR
 FILE SEGMENT: CD File 275

3/5/9   (Item 9 from file: 275)

01331842   SUPPLIER NUMBER: 08173464
 NCR bowls down SAA alley.(Systems Application Architecture) (Open
  Cooperative   Computing   Architecture)
Booker, Ellis
Computerworld, v24, n8, p8(1)
Feb 19, 1990
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp is introducing a cooperative computing architecture,
called Open Cooperative Computing Architecture (OCCA), and entering
territory now held by IBM and its System Application Architecture (SAA).
OCCA will not be dependent on NCR hardware, but will be based on open
standards and interfaces. The architecture includes a human interface, an
applications development environment, a cooperative services layer, a
communications services layer, and a base platform that includes operating
systems, hardware and physical network. The OCCA, like IBM's SAA, is based
on a client/server model.

SPECIAL FEATURES: illustration; photograph
COMPANY NAMES: NCR Corp.--Product development
DESCRIPTORS: Product Development; Client/Server Architecture; Open
 Systems; Connectivity; Computer Industry
SIC CODES: 3571 Electronic computers
TICKER SYMBOLS: NCR
FILE SEGMENT: CD File 275

3/5/10   (Item 10 from file: 275)
DIALOG(R)File 275:IAC(SM) Computer Database(TM)
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01328245   SUPPLIER NUMBER: 08172064
 NCR **architects net applications strategy;** OCCA **will help developers
 build client/server programs linking workstations to range of servers.** (
 Open   Cooperative   Computing   Architecture) **(product announcement)**
Brown, Jim
Network World, v7, n8, p1(2)
Feb 19, 1990
DOCUMENT TYPE: product announcement   ISSN: 0887-7661   LANGUAGE:
 ENGLISH ·   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp introduces the Open Cooperative Computing Architecture
(OCCA), a program development architecture to aid users in writing
client/server programs for linking workstations and servers. OCCA will
allow client workstations to access group servers or use them as gateways
to establish connections with processors in other networks. The program
development software, Cooperation, is the architecture's critical
component. An OCCA applications' client portion will work in token-ring,
Ethernet or AT&T Starlan local area network environments. Clients are able
to communicate with Unix-based work group servers running network operating
systems such as LAN Manager or LAN Manager/X. Cooperation costs from
$30,000 to $90,000 for a 16-user license and from $90,000 to $180,000 for a
64-user license.

COMPANY NAMES: NCR Corp.--Product introduction
DESCRIPTORS: Application Development Software; Client/Server Architecture
 ; Open Systems; Product Introduction
SIC CODES: 7372 Prepackaged software
TICKER SYMBOLS: NCR
TRADE NAMES: Cooperation (Workgroup software)--Product introduction
OPERATING PLATFORM: MS-DOS; OS/2; Unix
FILE SEGMENT: CD File 275

3/5/11   (Item 1 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)
(c) 1998 Information Access Co. All rts. reserv.

02592719
COMPANY: NCR **ARCHITECTURE:** OCCA (Open, Cooperative Computing
     Architecture)
 NCR: Its Open, Cooperative Computing Architecture to use new technologies
Systems Integration   June 00, 1990   p. 38
ISSN: 0364-9342

   NCR's Open, Cooperative Computing Architecture (OCCA) will eventually

support integrated-network management, object-management, image processing, and multimedia access. The company is developing applications customized for OCCA. Servers that work under OCCA include Unix-based midrange computers, and Unix- and OS/2-based PCs. Clients that work under OCCA include OS/2-, DOS-, and Unix-based PCs. Network protocols include IBM's SNA and 3270, TCP/IP, OSI, and DEC VT100/200 emulations. User interfaces include Microsoft Windows, NewWave, Motif, Presentation Manager, and NCR's Desktop. Services supplied include application, information, network delivery, system support, and system management.

COMPANY:
     *NCR
PRODUCT: *Computers & Auxiliary Equip (3573000)
EVENT: *Planning & Information (22)
COUNTRY: *United States (1USA)

3/5/12   (Item 2 from file: 16)
DIALOG(R)File 16:IAC PROMT(R)

02483465
 NCR **RELEASES ARCHITECTURE BASE FOR FUTURE MODEL OF COMPUTING** --   OPEN,
    COOPERATIVE COMPUTING ARCHITECTURE --
PR Newswire   February 12, 1990   p. 1

     NCR Corporation (NYSE: NCR) today released its architecture for the next era of computing. NCR's Open, Cooperative Computing Architecture (OCCA), based on an open clientserver model, provides customers with a bridge to future technologies while protecting their information system investments. "OCCA is the foundation for NCR's vision of the future of computing," said Gilbert P. Williamson, NCR president, "which is to make available -- transparently -- the computing resources of an entire enterprise, right at the user's desktop." Open, Cooperative Computing Architecture is composed of three major elements: -- The structure, which defines the logical relationship of the various system components; -- The interfaces, which define the connections of the components; -- And the rules, which define how the components interact with each other. OCCA provides a blueprint to customers for making long-term system decisions. It also assists third-party software developers and system integrators to create new products for a truly open, cooperative computing environment. OCCA Structure The five layers of NCR s OCCA structure include the: -- Human Interface Layer, which provides a consistent and intuitive graphical user interface across multiple applications and operating systems; -- Application Environment Layer which offers services for integrating existing applications and developing new ones; -- Cooperative Services Layer, which serves two purposes: One, to support the distribution of applications and information across the network. Two, to provide a secure, reliable and well-managed cooperative environment; -- Communication Services Layer, which facilitates the movement of information across local area networks and wide area networks. -- Base Platform Layer, which contains the operating systems (UNIX, DOS and OS/2), hardware and the physical network. Open Interfaces The second major element of NCR's Open, Cooperative Computing Architecture is the use of open interfaces, based on industry standards. This allows systems from many vendors to interoperate, and frees customers to choose the best technology for their needs based on cost and functionality.

Full text available on PTS New Product Announcements.

COMPANY:
     *NCR

PRODUCT: *Office & Computing Machines (3570000)
EVENT: *Services Data (36)
COUNTRY: *United States (1USA)

3/5/13   (Item 1 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

06351274   SUPPLIER NUMBER: 13515334
 NCR **regroups, makes plans for Cooperation. (platform for** Open
  Cooperative   Computing   Architecture)
Booker, Ellis
Computerworld, v27, n2, p47(2)
Jan 11, 1993
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp executives are admitting they should have backed Unix,
rather than OS/2, when they released the Cooperation software platform in
1990. Cooperation, an object-oriented, networked computing environment, is
the glue behind the company's Open Cooperative Computing Architecture. The
early choice of OS/2 delayed the development of a Unix server product,
which is now expected in Feb or Mar 1993. The company shipped a second
release of the OS/2 server software in Dec 1992 and said all future
enhancements will be under Cooperation 2.1, the Unix implementation due in
March. Cooperation now faces heavy competition in the groupware market, but
NCR is targeting enterprisewide, mission-critical applications formerly run
on mainframes. This market requires a higher price tag and poses a tougher
marketing challenge.
 COMPANY NAMES: NCR Corp.--Product development
 INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation
 DESCRIPTORS: Computer software industry--Product development; Office
  automation software--Product development
 SIC CODES: 7372 Prepackaged software; 3571 Electronic computers; 3577
  Computer peripheral equipment, not elsewhere classified
 TICKER SYMBOLS: NCR
 TRADE NAMES: Cooperation (Workgroup software)--Product enhancement
 OPERATING PLATFORM: OS/2; Unix
 FILE SEGMENT: CD File 275

 3/5/14   (Item 2 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

05389907   SUPPLIER NUMBER: 11470302
Company: NCR **Corp.: Architecture:** OCCA (Open, Cooperative
  Computing   Architecture). **(one of nine articles on leading vendors'
 software architectures)**
Systems Integration, v24, n10, p48(2)
Oct, 1991
ISSN: 1044-4262   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp's Open, Cooperative Computing Architecture (OCCA) is
the underlying architecture for services and products from both NRC and
AT&T. The System 3000 line from NCR will be the base platform for NCR\AT&T
products. System 3000 machines run Unix System V 4.0, MS-DOS and OS\2. OCCA
consists of a client\server architecture, networked distribution of
computing functions, open systems standards and consistent user interfaces.
The architecture addresses transaction processing and information and
systems management. OCCA's Open Systems Interconnection component is
encompassed by the Open Networking Environment product line, which was
introduced in Oct 1990. NCR's software applications include NCR
Cooperation, an object-oriented, general-application integration
environment which implements OCCA in multivendor systems. The Cooperation
line comprises over 50 software modules, from application-development tools
to products for accessing SQL databases. The interface for NCR Cooperation
applications is NCR Desktop.

 SPECIAL FEATURES: illustration; photograph
 COMPANY NAMES: NCR Corp.--Products
 INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation

DESCRIPTORS: Interoperability--Products; Computer industry--Standards;
  Software--Design and construction; Computer software industry--Standards
SIC CODES: 3571 Electronic computers; 3577 Computer peripheral
  equipment, not elsewhere classified; 7372 Prepackaged software
TICKER SYMBOLS: NCR
OPERATING PLATFORM: NCR; OS\2 LAN Manager; UNIX
FILE SEGMENT: CD File 275

3/5/15   (Item 3 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database
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04922278   SUPPLIER NUMBER: 10724117
**Massive merger task begins; users expecting AT&T to buy into strategic
 directions set by** NCR. **(includes related article on** NCR's Open,
  Cooperative Computing Architecture**)**
Fitzgerald, Michael
Computerworld, v25, n19, p1(2)
May 13, 1991
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: AT&T and NCR Corp executives are preparing for the massive task
of coordinating the two companies' merger, with AT&T betting that a
transition team made up of top managers from both sides will make it more
successful than similar acquisitions in recent years. Analysts say that the
merger will require enormous effort but will create a highly competitive
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concerned because the publicity surrounding AT&T's hostile takeover attempt
gave them six months to prepare. One NCR user says he expects his vendor to
do business as usual provided that AT&T does not intervene in NCR's
progress. Others say they want information on the actual working of the
merger. One analyst expects NCR to control the deal because AT&T is
supporting NCR's plans at the expense of its own prior strategies.
CAPTIONS: At a glance: AT and T and NCR financial statistics. (table)

 SPECIAL FEATURES: illustration; table; photograph
 COMPANY NAMES: American Telephone and Telegraph Co.--Acquisitions,
  mergers, divestments; NCR Corp.--Acquisitions, mergers, divestments
 INDUSTRY CODES/NAMES: CMPT Computers and Office Automation
 DESCRIPTORS: Computer industry--Acquisitions, mergers, divestments
 SIC CODES: 3571 Electronic computers; 3577 Computer peripheral
  equipment, not elsewhere classified
 TICKER SYMBOLS: NCR; T
 FILE SEGMENT: CD File 275

3/5/16   (Item 4 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database
(c) 1998 Info Access Co. All rts. reserv.

04871613   SUPPLIER NUMBER: 09598087   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **shows Co-operation with Intel architecture. (Co-operation office
 automation software based on** NCR **Corp's** open co- operative
  computing architecture**) (product announcement)**
PC User, n144, p26(1)
Oct 24, 1990
DOCUMENT TYPE: product announcement   ISSN: 0263-5720   LANGUAGE:
  ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 265   LINE COUNT: 00022

 SPECIAL FEATURES: illustration; photograph
 COMPANY NAMES: NCR Corp.--Product introduction
 INDUSTRY CODES/NAMES: CMPT Computers and Office Automation; INTL
    Business, International
 SIC CODES: 7372 Prepackaged software
 TICKER SYMBOLS: NCR; INTC
 TRADE NAMES: Co-operation (Office automation software)--Product

introduction; AT and T NCR 3000 (Intel-compatible system)--Computer
programs
OPERATING PLATFORM: MS-DOS; OS/2; UNIX
FILE SEGMENT: CD File 275

3/5/17   (Item 5 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

04587783   SUPPLIER NUMBER: 08224830   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR **ushers in era of co-operative processing. (unveils** Open,
Cooperative   Computing   Architecture)
Slofstra, Martin
Computing Canada, v16, n5, p1(2)
March 1, 1990
ISSN: 0319-0161   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 494   LINE COUNT: 00039

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1990s. OCCA promises to make enterprise computing resources transparently
available at the desktop level by conforming to such industry standards as
Motif, OSI, and SQL, and by supporting such operating systems as UNIX, DOS,
and OS-2. OCCA's five layers are Human Interface, Application Environment,
Cooperative Services, Communication Services, and Base Platform. NCR
considers OCCA's combination of open systems and cooperative processing
unique, and says the Cooperation software suite, which will enable OCCA
implementation, will be released 2nd qtr 1990.

COMPANY NAMES: NCR Corp.--Product development
INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation; INTL
   Business, International
SIC CODES: 7372 Prepackaged software
TRADE NAMES: Cooperation (Workgroup software)--Product development
FILE SEGMENT: CD File 275

3/5/18   (Item 6 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

04572188   SUPPLIER NUMBER: 08474448   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR, **Teradata in joint development agreement. (will develop hardware
platform for** NCR's Open, Co- operative   Computing   Architecture)

Frangini, Monica
Computing Canada, v16, n9, p10(1)
April 26, 1990
ISSN: 0319-0161   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 360   LINE COUNT: 00028

ABSTRACT: NCR Corp will acquire an equity interest in Teradata Corp for
the purpose of jointly developing parallel processing software for business
computer systems. The agreement calls for NCR to acquire 1,400,995 shares
of Teradata common stock at a price of $3.6 million. Both companies will
then contribute personnel, funding and technology toward the three-year
development project. The project seeks to develop a Unix computer for NCR's
Open, Co-operative Computing Architecture (OCCA) that is capable of serving
as a platform for future database products. While NCR will provide most of
the initial funding for the project, Teradata will contribute key
interconnect and scalable database technologies.
COMPANY NAMES: NCR Corp.--Product development; Teradata Corp.--Product
  development
INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation; INTL
   Business, International
SIC CODES: 3571 Electronic computers; 7372 Prepackaged software
TICKER SYMBOLS: TDAT; NCR

3/5/19   (Item 7 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

04566983   SUPPLIER NUMBER: 08446474   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR's open architecture may foster growth for firms. (Open   Cooperative
    Computing   architecture)
Eskow, Dennis
PC Week, v7, n19, p141(1)
May 14, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 615   LINE COUNT: 00048

ABSTRACT: NCR's Open Cooperative Computing (OCC) Architecture may
encourage the growth of other firms, with its open interfaces,
interoperability of hardware, operating subsystems and systems, and access
to applications across networks. This new connectivity strategy lays the
groundwork by supporting Unix across all platforms. At the Nucon 90 meeting
of NCR users groups in Reno, NV, in May 1990, there was widespread
enthusiasm about OCC. A new connectivity package from Century Analysis Inc,
called CAI-Net, has helped make OCC possible. The product is a 'teamware'
accessory that allows all computing operating environments except H-P's
NewWave to operate on the same network, without using protocol conversion
or special wiring.
 COMPANY NAMES: NCR Corp.--Marketing; Century Analysis Inc.--Products
 INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation
 DESCRIPTORS: Network architecture--Marketing; Computer networks--
  Equipment and supplies
 SIC CODES: 7372 Prepackaged software
 TICKER SYMBOLS: NCR
 TRADE NAMES: CAI-Net (Network management software)--Usage
 FILE SEGMENT: CD File 275

3/5/20   (Item 8 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

04505493   SUPPLIER NUMBER: 08177938   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **plan wins cautious praise. (industry reaction to** NCR **Corp's
 announcement of** Open   Cooperative   Computing   Architecture **strategy)**
Musich, Paula
PC Week, v7, n8, p46(1)
Feb 26, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 423   LINE COUNT: 00036

 COMPANY NAMES: NCR Corp.--Planning
 INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation
 DESCRIPTORS: Computer industry--Planning
 SIC CODES: 3571 Electronic computers
 TICKER SYMBOLS: NCR
 FILE SEGMENT: CD File 275

3/5/21   (Item 9 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database

04498334   SUPPLIER NUMBER: 08149752   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **releases architecture base for future model of computing -** Open,
    Cooperative   Computing   Architecture.
PR Newswire, 0213NY076A
Feb 13, 1990
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT

WORD COUNT: 1045   LINE COUNT: 00095

3/5/22   (Item 10 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database
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04497681   SUPPLIER NUMBER: 08145110   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR **releases architecture base for future model of computing** - Open,
 Cooperative Computing Architecture.
PR Newswire; 0212NY076A
Feb 12, 1990
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1042   LINE COUNT: 00095

3/5/23   (Item 11 from file: 148)
DIALOG(R)File 148:IAC Trade & Industry Database
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04473076   SUPPLIER NUMBER: 08172064
 NCR **architects net applications strategy; OCCA will help developers
 build client/server programs linking workstations to range of servers.** (
 Open Cooperative Computing Architecture) **(product announcement)**
Brown, Jim
Network World, v7, n8, p1(2)
Feb 19, 1990
DOCUMENT TYPE: product announcement   ISSN: 0887-7661   LANGUAGE:
   ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp introduces the Open Cooperative Computing Architecture
(OCCA), a program development architecture to aid users in writing
client/server programs for linking workstations and servers. OCCA will
allow client workstations to access group servers or use them as gateways
to establish connections with processors in other networks. The program
development software, Cooperation, is the architecture's critical
component. An OCCA applications' client portion will work in token-ring,
Ethernet or AT&T Starlan local area network environments. Clients are able
to communicate with Unix-based work group servers running network operating
systems such as LAN Manager or LAN Manager/X. Cooperation costs from
$30,000 to $90,000 for a 16-user license and from $90,000 to $180,000 for a
64-user license.

3/5/24   (Item 12 from file: 148)

04370725   SUPPLIER NUMBER: 08173464
 NCR **bowls down SAA alley.(Systems Application Architecture)** (Open
  Cooperative   Computing   Architecture)
Booker, Ellis
Computerworld, v24, n8, p8(1)
Feb 19, 1990
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

ABSTRACT: NCR Corp is introducing a cooperative computing architecture,
called Open Cooperative Computing Architecture (OCCA), and entering
territory now held by IBM and its System Application Architecture (SAA).
OCCA will not be dependent on NCR hardware, but will be based on open
standards and interfaces. The architecture includes a human interface, an
applications development environment, a cooperative services layer, a
communications services layer, and a base platform that includes operating
systems, hardware and physical network. The OCCA, like IBM's SAA, is based
on a client/server model.

 SPECIAL FEATURES: illustration; photograph
 COMPANY NAMES: NCR Corp.--Product development
 INDUSTRY CODES/NAMES: CMPT   Computers and Office Automation
 DESCRIPTORS: Computer industry--Product development
 SIC CODES: 3571 Electronic computers
 TICKER SYMBOLS: NCR
 FILE SEGMENT: CD File 275

 3/5/25   (Item 1 from file: 47)

03391649   SUPPLIER NUMBER: 08446474   (USE FORMAT 7 OR 9 FOR FULL TEXT)
 NCR**'s open architecture may foster growth for firms.** (Open   Cooperative
   Computing   architecture)
Eskow, Dennis
PC Week, v7, n19, p141(1)
May 14, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 615   LINE COUNT: 00048

ABSTRACT: NCR's Open Cooperative Computing (OCC) Architecture may
encourage the growth of other firms, with its open interfaces,
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to applications across networks. This new connectivity strategy lays the
groundwork by supporting Unix across all platforms. At the Nucon 90 meeting
of NCR users groups in Reno, NV, in May 1990, there was widespread
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called CAI-Net, has helped make OCC possible. The product is a 'teamware'
accessory that allows all computing operating environments except H-P's
NewWave to operate on the same network, without using protocol conversion
or special wiring.
 COMPANY NAMES: NCR Corp.--Marketing; Century Analysis Inc.--Products
 DESCRIPTORS: Network architecture--Marketing; Computer networks--
  Equipment and supplies
 SIC CODES: 7372 Prepackaged software
 TICKER SYMBOLS: NCR
 TRADE NAMES: CAI-Net (Network management software)--Usage
 FILE SEGMENT: CD File 275

 3/5/26   (Item 2 from file: 47)

03381213   SUPPLIER NUMBER: 08177938   (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR **plan wins cautious praise. (industry reaction to** NCR **Corp's
announcement of** Open   Cooperative Computing Architecture **strategy)**
Musich, Paula
PC Week, v7, n8, p46(1)
Feb 26, 1990
ISSN: 0740-1604   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 423   LINE COUNT: 00036

COMPANY NAMES: NCR Corp.--Planning
DESCRIPTORS: Computer industry--Planning
SIC CODES: 3571 Electronic computers
TICKER SYMBOLS: NCR
FILE SEGMENT: CD File 275

3/5/27   (Item 1 from file: 613)
DIALOG(R)File 613:PR Newswire
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0242609   NY076A
 NCR **RELEASES ARCHITECTURE BASE FOR FUTURE MODEL OF COMPUTING** -- OPEN,
   COOPERATIVE COMPUTING ARCHITECTURE --

DATE: February 12, 1990   16:18 EST   WORD COUNT: 959

     NEW YORK, Feb. 12 /PRNewswire/ -- NCR Corporation (NYSE: NCR) today
released its architecture for the next era of computing. NCR's Open,
Cooperative Computing Architecture (OCCA), based on an open client-
server model, provides customers with a bridge to future technologies
while protecting their information system investments.

     "OCCA is the foundation for NCR's vision of the future of
computing," said Gilbert P. Williamson, NCR president, "which is to
make available -- transparently -- the computing resources of an
entire enterprise, right at the user's desktop."

     Open, Cooperative Computing Architecture is composed of three major
elements:

     -- The structure, which defines the logical relationship of
        the various system components;

     -- The interfaces, which define the connections of the components;

     -- And the rules, which define how the components interact with
        each other.

     OCCA provides a blueprint to customers for making long-term system
decisions. It also assists third-party software developers and system
integrators to create new products for a truly open, cooperative
computing environment.

     OCCA Structure

     The five layers of NCR's OCCA structure include the:

     -- Human Interface Layer, which provides a consistent and intuitive
        graphical user interface across multiple applications and
        operating systems;

     -- Application Environment Layer, which offers services for
        integrating existing applications and developing new ones;
     -- Cooperative Services Layer, which serves two purposes:
        One, to support the distribution of applications and information
        across the network. Two, to provide a secure, reliable and
        well-managed cooperative environment;

-- Communication Services Layer, which facilitates the movement of
   information across local area networks and wide area networks.

-- Base Platform Layer, which contains the operating systems (UNIX,
   DOS and OS/2), hardware and the physical network.

Open Interfaces

The second major element of NCR's Open, Cooperative Computing
Architecture is the use of open interfaces, based on industry standards.
This allows systems from many vendors to interoperate, and frees
customers to choose the best technology for their needs based on cost
and functionality.
"The most important interfaces are those that provide the ways an
application connects to the user, to the network and to the data bases,"
said Williamson. "For example, our architecture supports MOTIF, OSI and
SQL."

Client-Server Model Key to OCCA

The client-server model makes transparent, enterprise-wide computing
practical and manageable. NCR has nearly five years' experience in
designing and installing client-server solutions for leading financial
institutions.

NCR's OCCA client-server model is unlike two other current computing
models: a conventional mainframe connected to character-based
terminals, or a file-server system based on a Local Area Network (LAN).
In the former, all the applications, data and human-interface logic
reside on the mainframe. In the latter, data is located on the file
server, while applications and human-interface logic reside at the
workstation.

Client-Server Advantages

In NCR's client-server model, the application is split between
client and server. The front end of the application and the human
interface logic are located at the workstation, while the back end of
the application and the data are located on the server.
"This separation has several advantages," noted Williamson. "It
makes maintenance of applications and data easier, it improves access to
both applications and data, and it lets processing tasks be performed at
the most effective location on the network."

NCR's client-server model for Open, Cooperative Computing
Architecture has two other distinguishing characteristics:

-- The use of open Application Programming Interfaces which will
   maximize the availability of third-party software and make
   application development easier and faster.

-- A structure that encompasses more than workgroup computing to
   allow users to "reach through the enterprise" for relevant
   information.

As to how OCCA will actually work at the user level, Williamson
cited an example of a current office worker having to use a number of
terminals to query separate data bases throughout a company. The
resulting information then has to be manually combined for use.

"With Open, Cooperative Computing, the user makes a single request
to the system," Williamson said. "The user's local server will access
the required data located in remote servers throughout the enterprise
and provide to the user data already combined into useful information."
OCCA Coexistence

In today's environment, Open, Cooperative Computing Architecture
enables a user to have windows to multiple processors in the enterprise.
For instance, a user can have a window to a host processor running a

mainframe application, a window to a UNIX server running a UNIX application, and windows to both DOS and OS/2 applications running cooperatively on the workstation.

Among customer advantages of NCR's Open, Cooperative Computing Architecture are the following:

-- Lower hardware costs, due to the use of microprocessor technology versus conventional mainframe technology, along with increased vendor competition in open environments;

-- Reduced communications costs, due to lower network use as less information is transferred to the workstation;
-- Faster application development, through the use of the client-server model in combination with an integrated application-development tool set, standard interfaces and relational data base techniques;

-- Increased user productivity, through object-oriented, graphical user interfaces;

-- And heightened organizational effectiveness and flexibility, through transparent access to applications and information across the enterprise;

The Next Step

"NCR is providing an architecture that gives users a bridge to the future," Williamson said. "OCCA will allow businesses to take advantages of advances in hardware and software, while protecting their current IS investments.

"We are also providing the tools that will help our customers answer the question: 'What is my next step?'"
As for customers of NCR's proprietary systems, Williamson said NCR will continue to invest in improvements of its I and V series products, while integrating OCC features and developing a non-disruptive migration strategy to open systems.

Based in Dayton, Ohio, NCR Corporation develops, manufactures, markets and supports business information systems for worldwide markets.

CONTACT: Robert Farkas of NCR, 513-445-2078

          COMPANY NAME: NCR CORPORATION
          TICKER SYMBOL: NCR (NYS)
          PRODUCT: COMPUTER, ELECTRONICS (CPR)
          DESCRIPTORS: NEW PRODUCTS & SERVICES (PDT)
          STATE: OHIO (OH)
          SECTION HEADING: BUSINESS; TECHNOLOGY

 3/5/28   (Item 2 from file: 613)
DIALOG(R)File 613:PR Newswire
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0242206   NY076A
 NCR **RELEASES ARCHITECTURE BASE FOR FUTURE MODEL OF COMPUTING** -- OPEN,
    COOPERATIVE COMPUTING ARCHITECTURE --

DATE: February 12, 1990   16:04 E.T.   WORD COUNT: 959

    NEW YORK, Feb. 12 /PRNewswire/ -- NCR Corporation (NYSE: NCR) today released its architecture for the next era of computing. NCR's Open, Cooperative Computing Architecture (OCCA), based on an open client-server model, provides customers with a bridge to future technologies while protecting their information system investments.

"OCCA is the foundation for NCR's vision of the future of computing," said Gilbert P. Williamson, NCR president, "which is to make available -- transparently -- the computing resources of an entire enterprise, right at the user's desktop."

Open, Cooperative Computing Architecture is composed of three major elements:

-- The structure, which defines the logical relationship of the various system components;

-- The interfaces, which define the connections of the components;

-- And the rules, which define how the components interact with each other.

OCCA provides a blueprint to customers for making long-term system decisions. It also assists third-party software developers and system integrators to create new products for a truly open, cooperative computing environment.

OCCA Structure

The five layers of NCR's OCCA structure include the:

-- Human Interface Layer, which provides a consistent and intuitive graphical user interface across multiple applications and operating systems;

-- Application Environment Layer, which offers services for integrating existing applications and developing new ones;
-- Cooperative Services Layer, which serves two purposes: One, to support the distribution of applications and information across the network. Two, to provide a secure, reliable and well-managed cooperative environment;

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Open Interfaces

The second major element of NCR's Open, Cooperative Computing Architecture is the use of open interfaces, based on industry standards. This allows systems from many vendors to interoperate, and frees customers to choose the best technology for their needs based on cost and functionality.

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```
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DESCRIPTORS:      NEW PRODUCTS & SERVICES (PDT)
STATE:            OHIO (OH)
SECTION HEADING:  BUSINESS; TECHNOLOGY
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3/5/29   (Item 1 from file: 621)
DIALOG(R)File 621:IAC New Prod.Annou.(R)

00251407   00251407

NCR **RELEASES   ARCHITECTURE BASE FOR FUTURE MODEL OF COMPUTING** --   OPEN,
    COOPERATIVE COMPUTING ARCHITECTURE --

PR Newswire
DATELINE: NEW YORK, NY   February 12, 1990   WORD COUNT: 1007

NCR RELEASES ARCHITECTURE BASE FOR FUTURE MODEL OF COMPUTING
-- OPEN, COOPERATIVE COMPUTING ARCHITECTURE --
NEW YORK, Feb. 12 /PRNewswire/ -- NCR Corporation (NYSE: NCR) today released its architecture for the next era of computing. NCR's Open, Cooperative Computing Architecture (OCCA), based on an open clientserver model, provides customers with a bridge to future technologies while protecting their information system investments.
"OCCA is the foundation for NCR's vision of the future of computing," said Gilbert P. Williamson, NCR president, "which is to make available -- transparently -- the computing resources of an entire enterprise, right at the user's desktop."
Open, Cooperative Computing Architecture is composed of three major elements:
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